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NOTICE OF ALLOWANCE AND FEE(S) DUE

27045

7590

04/23/2009

ERICSSON INC. 6300 LEGACY DRIVE M/S EVR 1-C-11 PLANO, TX 75024 EXAMINER

TRAN, KHAI

ART UNIT PAPER NUMBER

2611

DATE MAILED: 04/23/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/535.479	10/21/2005	Bo Bernhardsson	P16718US2	3945

TITLE OF INVENTION: CALCULATION OF SOFT DECISION VALUES USING RELIABILITY INFORMATION OF THE AMPLITUDE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	07/23/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where m

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) 27045 7590 04/23/2009				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
ERICSSON IN 6300 LEGACY M/S EVR 1-C-1	NC. DRIVE 11	S	tates Postal Serv Idressed to the	at this Fee ice with su Mail Stop	e of Mailing or Tran (s) Transmittal is bein fficient postage for fir ISSUE FEE address 71) 273-2885, on the o	g deposited with the United est class mail in an envelope above, or being facsimile	
PLANO, TX 75	5024		ſ	(Depositor's nam			
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE	;	FIRST NAMED INVENT)R	ATTO	ORNEY DOCKET NO.	CONFIRMATION NO.
10/535,479	10/21/2005	•	Bo Bernhardsson		I	P16718US2	3945
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	I, KHAI lence address or indicatio	2611	375-340000 2. For printing on th		**		
CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			or agents OR, altern (2) the name of a single registered attorney of	of a single firm (having as a member a rney or agent) and the names of up to then attorneys or agents. If no name is			
PLEASE NOTE: Un recordation as set for (A) NAME OF ASSI	aless an assignee is ident th in 37 CFR 3.11. Com IGNEE	pletion of this form is NO	data will appear on the T a substitute for filing (B) RESIDENCE: (CI	patent. If an a un assignment. FY and STATE	OR COUN	TRY)	document has been filed for
Please check the appropr	riate assignee category or	r categories (will not be p	rinted on the patent):	■ Individual	■ Corpora	tion or other private gi	oup entity Government
4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) ☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).				
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NOTE: The Issue Fee ar	nd Publication Fee (if req		d from anyone other tha				he assignee or other party in
				Date			
Typed or printed name							
an application Confider	ntiality is governed by 35 ed application form to the tions for reducing this bu Virginia 22313-1450. DO	S II S C 122 and 37 CFR	1.14 This collection is	estimated to take	12 minute	es to complete, includi	d by the USPTO to process) ng gathering, preparing, and ime you require to complete partment of Commerce, P.O. for Patents, P.O. Box 1450,

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10/535,479 10/21/2005		Bo Bernhardsson	P16718US2 3945		
27045 7590 04/23/2009			EXAMINER		
ERICSSON INC	•	TRAN, KHAI			
6300 LEGACY D	RIVE	ART UNIT	PAPER NUMBER		
M/S EVR 1-C-11 PLANO, TX 7502	4		2611		
112110, 121 /302	⊤		DATE MAILED: 04/23/2009		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 616 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 616 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/535,479	BERNHARDSSON ET	· AI
Notice of Allowability	Examiner	Art Unit	
	 KHAI TRAN	2611	
The MAILING DATE of this communication appea. All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313 1. This communication is responsive to the amendment filed	(OR REMAINS) CLOSED or other appropriate comm GHTS. This application is and MPEP 1308.	in this application. If not included nunication will be mailed in due co	ourse. THIS
2. ☑ The allowed claim(s) is/are <u>2-10 and 12-27</u> .			
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). 	been received. been received in Applicat	ion No	n from the
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm	IENT of this application. itted. Note the attached EX	(AMINER'S AMENDMENT or NO	
INFORMAL PATENT APPLICATION (PTO-152) which give	, , ,	or declaration is deficient.	
5. CORRECTED DRAWINGS (as "replacement sheets") mus		/ DTO 040) attached	
(a) ☐ including changes required by the Notice of Draftspers	•	ew (PTO-948) attached	
1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1)	s Amendment / Comment o	the drawings in the front (not the ba	ack) of
each sheet. Replacement sheet(s) should be labeled as such in the first of the deposit of and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MAT	ΓERIAL must be submitted. No	te the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview S Paper No 7. ☐ Examiner's	nformal Patent Application Summary (PTO-413), o./Mail Date s Amendment/Comment s Statement of Reasons for Allowa 	ance

Application/Control Number: 10/535,479 Page 2

Art Unit: 2611

REASONS FOR ALLOWANCE

1. The amendment filed 1/22/2009 has been entered. Claims 1, 11 have been cancelled. Claims 2-10, 12-27 are pending in this Office action.

Allowable Subject Matter

- 2. Claims 2-10, 12-27 are allowed.
- 3. The following is an examiner's statement of reasons for allowance: Reshef fails to disclose step of receiving the communications signal further comprises scaling the communications signal by an amplifier; and the step of providing the reliability indication comprises generating the reliability indication on the basis of a gain setting of the amplifier; the step of generating the likelihood value on the basis of the provided reliability indication comprises determining (702) whether an amplitude change by a predetermined magnitude has occurred within a predetermined time period; the step of generating the likelihood value on the basis of the provided reliability indication of the amplitude information further comprises adjusting (704) the likelihood value to a value corresponding to higher uncertainty of a predetermined bit value if an amplitude change has occurred and if the bit value is encoded using amplitude information.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Application/Control Number: 10/535,479 Page 3

Art Unit: 2611

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to KHAI TRAN whose telephone number is (571) 272-3019. The examiner can normally be reached on 7:00AM - 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Payne can be reached on (571) 272-3024. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/KHAI TRAN/ Primary Examiner, Art Unit 2611

April 16, 2009